

DETAILED ACTION

1. Claims 1-7 are allowed.

The following is an examiner's statement of reasons for allowance:

The cited prior art of record considered as a whole (either alone or in combination) fails to teach or suggest:

The method of determining an optimal control profile for adjusting tray-in/out speeds of a tray in an optical disk drive recited in claim 1, comprising: **“setting a plurality of control profile sets;** driving the tray for movement with a control profile among the control profile sets; measuring a plurality of tray speeds of the tray when achieving a plurality of predetermined points in the control profile; determining a plurality of comparison values according to the plurality of tray speeds and a plurality of predetermined tray speeds; checking if the control profile is acceptable or not according to the comparison values; if acceptable, setting the control profile as the optimal control profile; and if not acceptable, determining a next control profile among the control profile sets according to the comparison values and going to the driving step”.

The closest prior art of record teaches a method of adjusting the tray in/out speeds of a tray but fails to teach the various steps used to find the optimal control profile among many predetermined profile sets by comparing the many tray-out speeds.

Regarding claim 8, Applicant has indicated on a phone interview to cancel claim 8.

Contact

Any inquiry concerning this communication or earlier communications from the examiner should be directed to HENOK G. HEYI whose telephone number is (571)270-1816. The examiner can normally be reached on Monday to Friday 8:30 to 6:00 EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Korzuch can be reached on (571) 272-7589. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Henok G Heyi/
Examiner, Art Unit 2627

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Primary Examiner, Art Unit 2627
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